Name(s) of Risk Team Members: Pat O'Grady, Dave Passarello, Dan Wilson and Doug Zigrosser			Point Valu Paramete		1					2	3	4			5			
Job Title: Cable Pulling Job Number or Job Identifier: JRA 12-06			Frequence (B)	су	≤once/year			ar		≤once/month	≤once/week		≤once/shift		>once/shift			
Job Description: Pulling two spare high voltage cables and one spare signal cable out of the cable trays in the 10 o'clock sector and re-routing them to the equipment in the intersecting region at 10 o'clock.			Severity (C)	y	First Aid Only			Only	М	edical Treatment	Lost Time Pa		Partial Disability		Death or Permanent Disability			
Training and Procedures List (optional):			Likelihoo	nd	Extremely Unlikely													
Approved by: E. Lessard Date: 3-10-06 Rev. #: 0			(D)					ılikely		Unlikely	Possible		Probable			Multiple		
Stressors (if applicable, please list all): Reason f			for Revision (if applicable): Comments:							Comments:								
					Bef	ore A	dditio	nal Co	ontrols				Aft	er Ad	dition	al Co	ntrols	
Job Step / Task	Hazard	Control(s)		Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) A	dded to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
LOTO power to power supplies where cables were being pulled	Electrocution	Work planning, LOTO training Note: LOTO was not to protect work handling cable, it was to prevent inju came in contact with energized equip cable trays.	ry if worker	N	2	1	5	2	20									
Pull In or Remove Cables	Being struck against an object - cuts and skin abrasions from working in tight spaces	Appropriate PPE, e.g. knee and elbov steel-toe shoes, special mechanic's gl for better dexterity.		N	3	1	2	2	12									
Pull In or Remove Cables	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, carrying or throwing of an object	Team coordination to share the pulling equally, more people working together less strain. Regular cable pulling team this job.	er leads to	N	3	1	3	2	18									
Pull In or Remove Cables	Being struck by an object, such as a tool falling on a worker from above	Appropriate PPE, e.g. safety glasses,	hard hats	N	3	1	3	3	27									

Pull In or Remove Cables	Falls to lower level, such as falling from a ladder	OSHA compliant ladders, barricade around work area. Workers hold ladders for coworkers to increased stability as coworkers work pull overhead cable.	N	3	1	3	3	27
Pull In or Remove Cables	Bodily reaction – injuries resulting from bending, climbing, pinch points, loss of balance and slipping without falling	Team coordination to share the pulling forces equally. Keep extremities away from moving cable when possible. Use experienced and trained personnel.	N	3	1	3	3	
Pull In or Remove Cables	Falls on same level	Shoes with slip resistant soles	N	3	1	2	3	18
Connect Cables	Cuts from sharp equipment.	Use proper tools to strip insulation. Follow manufactures instructions.	N	3	1	3	2	18

Further Description of Controls Added to Reduce Risk:

A dedicated cable pulling crew was used for this job. Experienced people know how to lift cables, work as a team and move cable with relative ease. Refer to CA OPM 1.21 for cable pulling procedure.

Breaks are important for the crew since they must often take a few minutes to gather their strength after a difficult pull.

*Risk:	0 to 20	21 to 40	41-60	61 to 80	81 or greater
	Negligible	Acceptable	Moderate	Substantial	Intolerable